

WHAT IS CLAIMED IS:

1 1 A disc brake piston seal member for attaching to a ring-shaped groove
2 formed on an inner circumferential surface of a cylinder hole of a brake caliper
3 comprising:

4 a piston seal member adapted to be in slidable and close contact with an outer
5 circumferential surface of a piston slidably engaged within a cylinder hole; and

6 a friction reducing agent coated on at least the inner circumferential surface in
7 close contact with the outer circumferential surface of the piston.

1 2. The disc brake piston seal member according to claim 1, wherein said
2 piston seal member is a circular member having a substantially square cross-sectional
3 area.

1 3. The disc brake piston seal member according to claim 2, wherein said
2 piston seal member provides a dust seal

1 4. The disc brake piston seal member according to claim 1, wherein said
2 piston seal member is constructed of rubber.

1 5. The disc brake piston seal member according to claim 1, wherein said
2 friction reducing agent is selected from the group consisting of fluorine materials,
3 silicone materials and urethane materials

1 6 The disc brake piston seal member according to claim 5, wherein said
2 friction reducing agent is approximately 2 to 20 μm .

1 7. The disc brake piston seal member according to claim 1, and further
2 including a second piston seal member being disposed a predetermined distance
3 relative to the piston seal member for engaging an outer circumferential surface of a
4 piston.

1 8 The disc brake piston seal member according to claim 7, wherein said
2 second piston seal member is constructed of rubber.

1 9. The disc brake piston seal member according to claim 7, and further
2 including a friction reducing agent coated on said second piston seal member, said
3 friction reducing agent being is selected from the group consisting of fluorine
4 materials, silicone materials and urethane materials.

1 10. The disc brake piston seal member according to claim 9, wherein said
2 friction reducing agent is approximately 2 to 20 μm .

1 11. A method for manufacturing a disc brake piston seal member comprising
2 the following steps:

3 providing a cylindrical seal material of an indeterminate length, said
4 cylindrical seal material including an inner circumferential surface and an outer
5 circumferential surface;

6 coating the inner circumferential surface of said cylindrical seal material with
7 the friction reducing agent; and

8 cutting said seal material into ring pieces for manufacturing multiple piston
9 seal members.

1 12 The method for manufacturing a disc brake piston seal member according
2 to claim 11, wherein said cylindrical seal material is rubber.

1 14. The method for manufacturing a disc brake piston seal member according
2 to claim 11, wherein said friction reducing agent is coated to a thickness of
3 approximately 2 to 20 μm .

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